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Zhong, F., Ecke, R. and Steinberg, V., Rotating Rayleigh–Bénard convection: Küppers–Lortz transition 51 (1991) 596
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Zilberter, Y.I., see Starobin, J. 70 (1994) 321
Ziolkowski, R.W., see Dajani, I. 64 (1993) 237
Zolotaryuk, A.V., see Pnevmatikos, S. 51 (1991) 316
Zolotaryuk, A.V., Pnevmatikos, S. and Savin, A.V., Two-sublattice kink dynamics and ionic defects in hydrogen-bonded chains 51 (1991) 407
Zolotaryuk, A.V., see Savin, A.V. 68 (1993) 59
Zumofen, G. and Klafter, J., Power spectra and random walks in intermittent chaotic systems 69 (1993) 436
Zykov, V.S., see Mikhailov, A.S. 52 (1991) 379
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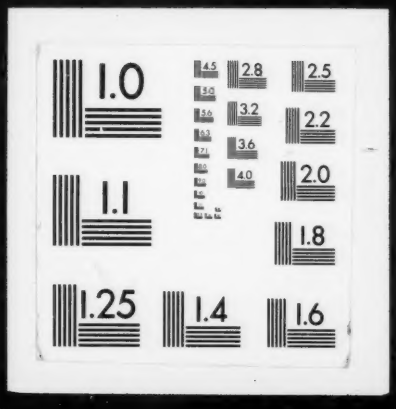
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